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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application Number	09/1 <del>87,579</del> 8/9 074
Filing Date	June 5, 2001
First Named Inventor	Ross et al.
Group Art Unit	2878
Examiner Name	C. Hannaher
Attorney Docket Number	VTN0423

**U.S. PATENT DOCUMENTS** U.S. Patent Document **Date of Publication** Pages, Columns, Lines, Name of Patentee or Applicant Kind Code<sup>2</sup> Examiner Cite of Cited Document where relevant passages of Cited Document or relevant figures appear Number (if known) No.1 mm-dd-yyyy

	FOREIGN PATENT DOCUMENTS								
		Foreign Patent Document			Name of Patentee or	Date of Publication of Cited Document	Pages, Columns, Lines, where relevant		
Examiner Initials	Cite No. <sup>1</sup>	Office <sup>3</sup>	Number <sup>4</sup>	KindCode <sup>5</sup>	Applicant of Cited Document	Applicant of Cited Document mm-dd-yyyy passages	mm-dd-yyyy	passages or relevant figures appear	T⁵
CH		wo	0016072	A1	Duggan et al.	03-23-2000			
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Sheet 1 of 5

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Application Number	09/819,074
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Examiner Name	
Attorney Docket Number	VTN-0564

U.S. PATENT DOCUMENTS							
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CH		3,666,885	A	Hemsley et al.	05-30-1972		
CH		3,692,985	4 A	Kalman	09-19-1972		
) CH		3,770,969	A	Ansevin et al.	11-06-1973		
СН		3,820,899	A	McCormack	06-28-1974		
CH		3,904,294	Α	Gold et al.	09-09-1975		
CH		3,988,068	A	Sprague	10-26-1976		
CH		4,002,823	В	Van Oosterhout	01-11-1977		
CH		4,158,502	Α	Greiner et al.	06-19-1979		
CH		4,162,126	Α	Nakagawa et al.	07-24-1979		
CH		4,209,252	_ A	Arditty et al.	06-24-1980		
CH		4,317,613	Α	Grosser	03-02-1982		
CH		4,519,041	Α	Fant et al.	05-21-1985		

### **FOREIGN PATENT DOCUMENTS** Foreign Patent Document Date of Publication Pages, Columns, Lines, of Cited Document where relevant Name of Patentee or Examiner Cite passages or relevant mm-dd-yyyy Applicant of Cited Document Initials figures appear No.1 Office<sup>3</sup> Number⁴ KindCode<sup>5</sup> Horst-Riesenberg 07-25-1070 JP 2 257007 Seiko-Epson Company 10-17-1990 DE 0 063 761 A1 Haubold, Wolfgang 11-03-1982 DE 0 491 663 A1 Hofer, Peter 06-24-1992 GB 2 171 812 Michael Roy Killpartrick 09-03-1986 JP 59 160734 Α Matsushita Denki Sangyo K.K. 09-11-1984

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09/819,074					
June 5, 2001					
Denwood F. Ross et al.					
VTN-0564					

U.S. PATENT DOCUMENTS

		U.S. Patent Docu	ment			
Examiner	Cite		Kind Code <sup>2</sup>	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Pages, Columns, Lines, where relevant passages
Initials	No. <sup>1</sup>	Number	(if known)	of Cited Document	mm-dd-yyyy	or relevant figures appear
CH		4,553,847	Α	Lang	11-19-1985	
CH		4,691,231	A	Fitzmorris et al.	09-01-1987	
CH		4,733,360	Α	Kobayashi et al.	03-22-1988	
C14		4,815,844	Α	Schmalfuss et al.	03-28-1989	-
CH		4,817,166	Α	Gonzalez et al.	03-28-1989	
CH		4,825,263	Α	Desjardins et al.	04-25-1989	
CH		5,039,459	Α	Kindt-Larsen et al.	08-13-1991	
CH		5,066,120	Α	Bertrand	11-19-1991	
CH		5,068,799	A	Jarrett Jr.	11-26-1991	
CH		5,080,839	Α	Kindt-Larsen	01-14-1992	
CH		5,081,685	Α	Jones, III et al.	01-14-1992	
CH		5,091,963	A	Litt et al.	02-25-1992	

FOREIGN PATENT DOCUMENTS

-		Foreign	Patent Docume	nt	Name of Patentee or	Date of Publication of Cited Document	Pages, Columns, Lines, where relevant	
Examiner Initials	Cite No. <sup>1</sup>	Office <sup>3</sup>	Number <sup>4</sup> Ki	ndCode⁵	Applicant of Cited Document	mm-dd-yyyy	passages or relevant figures appear	T <sub>6</sub>
L14		JP	59 108934	Α	Matsushita Denki Sangyo K.K.	06-23-1984		
CH		CN	2057832	Aı	Ciba-Geigy Hoefer	06-20-1992		
CH		GB	2014725	A	Robert Bosch GMBH Denk	02-15-1979		
CI+		EP	0070252	Al	Ciba-Geigy Silz	07-02-1982		
TH		DE	3621092	AI	Weber, Rudolf	01-0701988		

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Examiner Initials	Cite No.1	Number	Kind Code <sup>2</sup> (if known)	of Cited Document	of Cited Document mm-dd-yyyy	where relevant passages or relevant figures appear
CH		5,094,609	Α	Kindt-Laarsen	03-10-1992	
CH		5,123,735	Α	Hegarty	06-23-1992	
CH		5,249,029	A	Sommer et al.	09-28-1993	
CH		5,164,462	Α	Yang	11-17-1992	
CH		5,268,735	Α	Hayashi	12-07-1993	
CH		5,399,692	A	Hung et al.	03-21-1995	
CH		5,466,768	A	Yang	11-14-1995	
CH		5,500,024	A	Hung et al.	03-19-1996	
CIA		5,500,732	A	Ebel et al.	03-19-1996	
CH		5,574,554	Α	Su et al.	11-12-1996	
CH		5,745,230	A	Edwards et al.	04-28-1998	
CH		5,633,504	A	Collins et al.	05-27-1997	

		Foreign Patent Document			Name of Patentee or	Date of Publication of Cited Document	Pages, Columns, Lines, where relevant	
Examiner Initials	Cite No. <sup>1</sup>	Office <sup>3</sup>	Number⁴	KindCode <sup>5</sup>	Applicant of Cited Document	mm-dd-yyyy passages or relevant figures appear		Τ°
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Examiner Signature CONSTANTINE HANNAHER	Date Considered	MAY 2 0 2002

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				U.S. PATENT DOCUMENTS		
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LH		5,528,878	TA	Edwards et al.	06-25-1996	
CH		5,568,715	A	Ebel et al.	10-29-1996	
CH		5,578,331	A	Martin et al.	11-26-1996	
CH		5,626,000	A	Edwards et al.	05-06-1997	
CH		5,649,410	A	Martin et al.	07-22-1997	
CH		5,675,962	Α	Martin et al.	10-14-1997	
CH	<u> </u>	5,687,541	A	Martin et al.	11-18-1997	
CH		5,706,634	A	Edwards et al.	01-13-1998	
CH		5,749,205	A	Edwards et al.	05-12-1998	
	$\vdash$	-5,260,676		Sommer, Jr. et al.		
CH	<u> </u>	3,942,900	A	Garris	03-09-1976	
CH		6,018,931	A	Byram et al.	02-01-2000	

		Foreign Patent Document			Name of Patentee or	Date of Publication of Cited Document	Pages, Columns, Lines, where relevant	
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Initials	No.1	Number	(if known)		mm-dd-yyyy	o, 10.01	
614		6,020,445	A	Vanderlaan et al.	02-01-2000		
C14		6,024,448	A	Wu et al.	02-15-2000		
Cit		6,031,059	A	Vanderlaan et al.	02-29-2000		
CH		6,042,230	Α	Neadle et al.	03-28-2000		
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